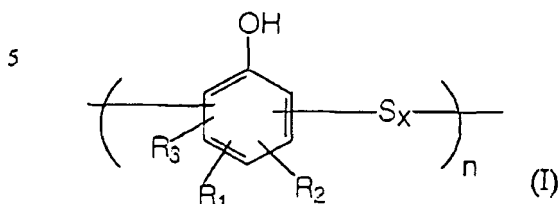


What is claimed is:

1. A novel aromatic polysulfide having repeating units of the following formula (I):

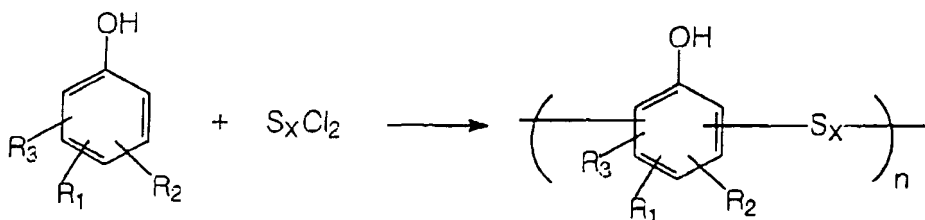


wherein  $R_1$ ,  $R_2$  and  $R_3$  are the same or different from each other, and  
 10 independently represent H, unsubstituted alkyl group, substituted alkyl group, unsubstituted aryl group or substituted aryl group;  $x$  is an integer of 1-4; and  $n$  is an integer of 2-10,000.

2. The novel aromatic polysulfide according to claim 1, wherein the average  
 15 molecular weight of the aromatic polysulfide is from 5,000 to 20,000.

3. A method for preparing a novel aromatic polysulfide represented by the following scheme (I), comprising the step of reaction between phenol or derivatives thereof and sulfur chloride species:

20 Scheme (I)



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wherein  $R_1$ ,  $R_2$  and  $R_3$  are the same or different from each other, and independently represent H, unsubstituted alkyl group, substituted alkyl group,

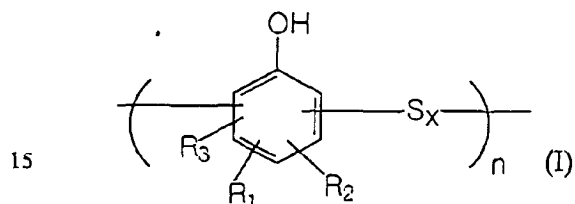
unsubstituted aryl group or substituted aryl group; x is an integer of 1-4; and n is an integer of 2-10,000.

4. The method according to claim 3, wherein the sulfur chloride species is sulfur monochloride.

5. The method according to claim 3, wherein the method further comprises the step of adding an alkyl halide or aryl halide.

10 6. An asphalt composition, which comprises

(i) a novel aromatic polysulfide having repeating units of the following formula (I):



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are the same or different from each other, and independently represent H, unsubstituted alkyl group, substituted alkyl group, unsubstituted aryl group or substituted aryl group; x is an integer of 1-4; and n is an integer of 2-10,000; and

(ii) an asphalt.

7. The asphalt composition according to claim 6, wherein the amount of the polysulfide compound is from 0.5 to 10 wt% and the amount of the asphalt is from 90 to 99.5 wt% based on the weight of the composition.

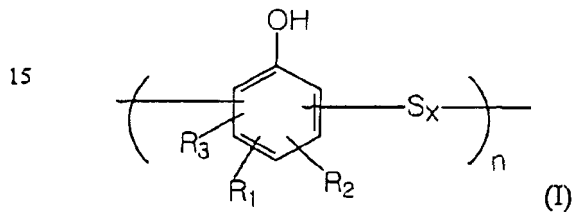
8. The asphalt composition according to claim 6 or 7, wherein the asphalt is

selected from the group consisting of straight asphalt, blown asphalt, lake asphalt, rock asphalt, sand asphalt and asphaltite.

9. An asphalt paving composition comprising the asphalt composition of claim 6, aggregate, stone powder and sand.

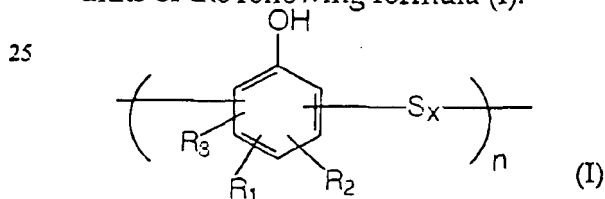
10. The asphalt paving composition according to claim 9, wherein the amount of the asphalt composition is from 4 to 10 wt%, the amount of the aggregate is from 65 to 85 wt%, the amount of the stone powder is from 3 to 10 wt% and the amount of the sand is from 8 to 25 wt%.

11. An adhesion promoter applied to polymer resin, which comprises a novel aromatic polysulfide having repeating units of the following formula (I):



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are the same or different from each other, and independently represent H, unsubstituted alkyl group, substituted alkyl group, unsubstituted aryl group or substituted aryl group; x is an integer of 1-4; and n is an integer of 2-10,000.

12. An UV absorber comprising a novel aromatic polysulfide having repeating units of the following formula (I):



wherein  $R_1$ ,  $R_2$  and  $R_3$  are the same or different from each other, and independently represent H, unsubstituted alkyl group, substituted alkyl group, unsubstituted aryl group or substituted aryl group;  $x$  is an integer of 1-4; and  $n$  is an integer of 2-10,000.